

## ER-2 #806 06/16/16

**Aircraft:**

[ER-2 #806](#) (See full schedule)

**Flight Number:**

16-6028

**Payload Configuration:**

AVIRIS-C and MASTER

**Nav Data Collected:**

Yes

**Total Flight Time:**

7.6 hours

**Comments:**

The ER-2 airplane flew the Southern CA Box with the AVIRIS-C and MASTER instruments. Ship 806 took off at 0908L and landed at 1642L for a 7.6 hour flight duration. Ship 806 took off a little late because of the R2 fail light again (MASTER SCSI drive not booting properly). The Q7 light was slowly flashing the entire flight. Coach said the Q7 also flashed during his flight yesterday. Marco believes this happens sometimes because of a power glitch in the transition going from ground to airplane power. Even with the flashing Q7 light, good AVIRIS data was obtained. There were no other instrument issues. Stu said he could see a stream of smoke from the Rincon fire that went south to La Jolla to Banning and out over the water near the Mexican border. But when flying overhead, he couldn't see the smoke. Stu completed one AVIRIS dewar toff. Ship 806 had INS issues. Stu noted that at the end of a line the ER-2 drifted to the left. He used the "turn knob" (?) to keep the ER-2 straight. In Stu's opinion, the INS is going bad. There was no turbulence except at the southern part the lines near Mexico. Stu said that So Cal was beautiful - sky clear - he didn't fly over a single cloud. Today's flight was very successful. Stu Broce was the pilot.

**Submitted by:**

Kevin Walsh on 06/17/16

**Flight Segments:**

<b>From:</b>	PMD	<b>To:</b>	PMD
<b>Date:</b>	06/16/16		
<b>Flight Time:</b>	7.6 hours		
<b>Log Number:</b>	<a href="#">162034</a>	<b>PI:</b>	Robert Green
<b>Funding Source:</b>	Jack Kaye - NASA - SMD - ESD Director Research and Analysis		
<b>Purpose of Flight:</b>	Science		

**Flight Hour Summary:**

	162034	172036
<b>Flight Hours Approved in SOFRS</b>	45	
<b>Flight Hours Previously Approved</b>		9.9
<b>Total Used</b>	35.1	46.6
<b>Total Remaining</b>		-36.7

**172036 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
<a href="#">06/07/17</a>	17-6039	Science	5.7	5.7	4.2
<a href="#">06/09/17</a>	17-6040	Science	3.1	8.8	1.1
<a href="#">06/12/17 - 06/13/17</a>	17-6041	Science	7.6	16.4	-6.5
<a href="#">06/13/17</a>	17-6042	Science	6.6	23	-13.1
<a href="#">06/14/17</a>	17-6043	Science	5.8	28.8	-18.9
<a href="#">06/20/17</a>	17-6044	Science	5.3	34.1	-24.2
<a href="#">06/22/17</a>	17-6045	Science	5.2	39.3	-29.4
<a href="#">06/28/17</a>	17-6047	Science	7.3	46.6	-36.7

**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/ER-2\\_806\\_06\\_16\\_16](https://airbornescience.nasa.gov/flight_reports/ER-2_806_06_16_16)

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*Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.*

#### 162034 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
<a href="#">06/09/16</a>	16-6026	Science	4.7	4.7	40.3
<a href="#">06/15/16</a>	16-6027	Science	3	7.7	37.3
<a href="#">06/16/16</a>	16-6028	Science	7.6	15.3	29.7
<a href="#">06/17/16</a>	16-6029	Science	5.1	20.4	24.6
<a href="#">06/20/16</a>	16-6030	Science	6.6	27	18
<a href="#">06/21/16</a>	16-6031	Science	8.1	35.1	9.9